

What is claimed is:

1. A choke coil comprising:
a coil incorporated with terminals and/or intermediate tap, the coil configured of a metal plate being punched and folded;
a magnetic material buried with the coil therein; and
a radiator of a material with excellent thermal conductivity disposed on a surface of the magnetic material.
2. The choke coil according to claim 1, wherein the radiator is disposed on a top surface and/or an under surface of the magnetic material.
3. The choke coil according to claim 2, wherein the radiator is formed so as to be extended from the top surface of the magnetic material through a side surface to the under surface.
4. The choke coil according to claim 1, wherein the radiator is formed so as to be spread radially from right above an air core part of the coil.
5. The choke coil according to claim 1, wherein a plurality of slits arranged in parallel is provided in the radiator.
6. The choke coil according to claim 1, wherein the radiator is formed of a material with flexibility.
7. The choke coil according to claim 1, wherein the magnetic material is formed of at least one kind or more of a ferrite magnetic material, a composite of ferrite magnetic powder and insulation resin, and a composite of soft magnetic material

alloy powder and an insulation resin.

8. An electronic device mounted with a DC/DC converter thereon, wherein the DC/DC converter uses a choke coil including:

a coil incorporated with terminals and/or intermediate tap, the coil configured of a metal plate being punched and folded;

a magnetic material buried with the coil therein; and

a radiator of a material with excellent thermal conductivity disposed on a surface of the magnetic material.